

ABSTRACT OF THE DISCLOSURE

As a result of comparing an address set in an area setting register and an address shown by address information of an access request signal, if the address set in the area setting register matches the address shown by the address information, a command with auto precharge is outputted to an FCRAM, and if not, an ordinary command is outputted to the FCRAM. Thus, when an area, in which addresses to be accessed are random in many cases, is accessed, the command with auto precharge is outputted to allow the FCRAM to perform a precharge operation automatically, and when an area, in which addresses to be accessed are sequential in many cases, is accessed, the ordinary command is outputted to allow a read operation or a write operation to be performed continuously, whereby data transfer efficiency can be increased.